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State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 19, 2013

Jerome Bown
Bown Stone Products Inc.
P.O. Box 27
Manti, Utah 84642

Subject: Release of Reclaimed Areas and Additional Revegetation Needs, Bown Stone Products, Inc.,
Flower Patch Quarry, S/039/0019, Sanpete County, Utah

Dear Mr. Bown:

The Division of Oil, Gas and Mining finds the regrading portion of the reclamation work acceptable for the Flower Patch quarry. Based on an inspection of the site, earthwork is considered adequate for the entire site, and revegetation is considered to meet regulatory standards on all of the area except 1.6 acres. Enclosed is a copy of the inspection report.

With these findings, the Division's directive to reclaim the site (dated August 17, 2010) has been acceptably addressed. The Division will continue to hold reclamation surety in the amount of \$2,000 to cover revegetation costs on the 1.6 acres until revegetation requirements have been met.

As noted in the July 3, 2013 inspection report, an unidentified species of knapweed was found growing in the unvegetated area of the regraded quarry. The Division has not yet determined the extent of the knapweed growth on adjacent and formerly mined areas, but **the Division wants to stress the critical importance of implementing weed control for the knapweed during the spring and early summer of 2014, and as needed thereafter. Musk thistle in adjacent areas is also likely spread into unvegetated areas. Proper weed control is needed to ensure revegetation bond release.**

The Division recommends reseeding the remaining 1.6 acres during late fall or early winter with the following seed mix (keep your seed tags):

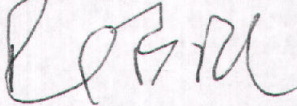
| <u>Species</u> | <u>Amount</u> |
|------------------------------|---------------------|
| Crested Wheatgrass - Hycrest | 1.0 lb/acre |
| Indian Ricegrass - Nezpar | 2.0 lb/acre |
| Intermediate Wheatgrass | 3.0 lb/acre |
| Forage Kochia - Immigrant | 0.5 lb/acre |
| Yellow Sweet Clover | 0.5 lb/acre |
| Fourwing Saltbush | 1.0 lb/acre |
| Wyoming Big Sage | 0.1 lb/acre |
| Palmer Penstemon | 0.5 lb/acre |
| Total | 8.6 lbs/acre |



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Thank you for reclaiming the quarry in compliance with the reclamation practices in the R647 rules. Please contact Peter Brinton at 801-538-5258 or me at 801-538-5261 if you have any questions or concerns regarding this letter. In response, please reference our file number S/039/0019 regarding this project.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Baker', written over a faint rectangular grid.

Paul B. Baker
Minerals Program Manager

PBB:pnb:pb

Enclosed: July 3, 2013 Inspection Report

cc: Gerald Wilden, landowner (P.O. Box 145, Mayfield, UT 84643)
John Blake, SITLA (jblake@utah.gov)

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